

M275748

UTILITY MODEL PATENT SPECIFICATION

Application No.: 94201588

Filing Date: January 27, 2005

IPC: A45D 8/14

5 I. Title of U.M.: Improved Hairclip Structure

II. Applicant: Hsu, Shih-Ming

Address: 119, Lane 234, Cheng-pei Road, Tainan City

Nationality: R.O.C.

III. Inventor: Hsu, Shih-Ming

10 Nationality: R.O.C.

Abstract:

This invention relates to an improved hairclip structure, which primarily includes a curved piece and two corresponding clamping pieces. The clamping pieces respectively form resilient pivotal
5 connections with two lateral portions of the curved piece. The present invention is directed to having a point of resilient pivotal connection between each clamping piece and the curved piece disposed in a curved line of a curved section of the curved piece such that, when each clamping piece is extended, the two clamping
10 pieces and an inner side of the curved piece form a relatively large hair clasp space.

[Technical Field of the Utility Model]

The invention relates to an improved hairclip structure, more particularly a hairclip utilizing a curved piece and two corresponding
15 clamping pieces to form resilient pivotal connections so as to clasp hair.

[Prior Art]

In conventional hair styling, hair bands, hairclips, headbands, hairpins, or other gadgets suitable for styling and fixing hair are
20 primarily used. As hairclips are of particular relevance to this invention, the prior art will be discussed in connection with hairclips, which have greater relevance in terms of the prior art.

Referring to Figure 1 to Figure 3, a hairclip (1) of the prior art mainly includes a curved piece (11) and two corresponding clamping
25 pieces (12). The clamping pieces (12) form resilient pivotal connections with pivotal portions (111) extending from two lateral portions of the curved piece (11), with a force application segment (121) extending from an outer end portion of each clamping piece (12). By pressing the force application segment (121), the

clamping pieces (12) are caused to spread out or converge (i.e., opened and closed states).

5 As the pivotal portions (111) extending from the two lateral portions of the curved piece (11) generally extend from the inner side of the curved piece (11), the pivotal portions (111) constitute a hindrance to the space formed by the inner side of the curved piece (11) to allow for gathering of hair therein, thereby obstructing smooth gathering of the user's hair therein.

10 In addition, since a tail portion (122) is oftentimes exposed from the point of resilient pivotal connection between the clamping piece (12) and the curved piece (11), it also constitutes a hindrance to the space formed by the inner side of the curved piece (11) to allow for gathering of hair therein, thereby obstructing smooth gathering of the user's hair therein.

15 [Content of Utility Model]

In view of the drawbacks associated with the prior art, the inventor of the present invention conceives of "an improved hairclip structure." The technical means adopted by the present invention to resolve the prior art problems essentially involves the designing of an improved hairclip structure, which primarily includes a curved piece and two corresponding clamping pieces. The clamping pieces form resilient pivotal connections with two lateral portions of the curved piece. The present invention primarily has a point of resilient pivotal connection between each clamping piece and the curved piece disposed in a curved line of a curved section of the curved piece such that an inner side of the curved piece forms a relatively large hair clasping space when the clamping pieces are extended.

20

25

[Mode of Practice]

In order that the Examiner can better understand the content of the present invention, the present invention will be described by way of practicable preferred embodiments with reference to the drawings:

Referring to Figure 4 to Figure 6, the present invention relates to
5 an improved hairclip structure, the hairclip (2) primarily includes:

A curved piece (21):

A section of the curved piece (21) has a generally curved shape, and an inner side of the curved piece (21) forms a broad shape. Besides, the inner side of the curved piece (21) and inner sides of the
10 two clamping pieces (22) confine a hair clasping space.

Two clamping pieces (22):

The two clamping pieces (22) correspond respectively to two lateral portions of the curved piece (21) to form resilient pivotal connections therewith, the so-called resilient pivotal connection
15 being defined as use of resilient elements (222) and shafts (223) as coupling portions of the two elements at pivotal connection parts such that the pivotal connection state can become a pivotal swinging state restorable by elastic force. Besides, a force application segment (221) extends from an outer end portion of each clamping
20 piece (22). By pressing the force application segment (221), the clamping pieces (22) can be caused to open or close.

Particularly noteworthy features of the present invention reside in:

The points of resilient pivotal connection between the two clamping pieces (22) and the curved piece (21) are disposed in a
25 curved line of the curved section of the curved piece (21) such that, when the clamping pieces of the clamping pieces [sic] are opened, the inner side of the curved piece (21) is not obstructed by the pivotal connection parts, thereby allowing for, as well as forming, a relatively large hair clasping space by means of the inner side of the

curved piece and the inner sides of the two clamping pieces.

Further embodiment of the present invention:

The two clamping pieces (22) do not have an exposed tail portion at their pivotal connection with the curved piece to obstruct the hair clasping space. Hence, the inner sides of the two clamping pieces (22) and the curved piece (21) will not be obstructed by the tail portion, thereby allowing for, as well as forming, a relatively large hair clasping space by means of the inner side of the curved piece and the inner sides of the two clamping pieces.

10 [Effects Derived from the Features of the Structure]

As shown in Figure 7 and Figure 8:

1. The present invention has the resilient pivotal connection points between the two clamping pieces and the curved piece disposed in the curved line of the curved section of the curved piece so that the inner side of the curved piece will not be obstructed by the pivotal connection parts when the clamping pieces of the clamping pieces [sic] are extended, thereby allowing for, as well as forming, a relatively large hair clasping space by means of the inner side of the curved piece and the inner sides of the two clamping pieces.

2. The two clamping pieces of the present invention do not have an exposed tail portion at their pivotal connection with the curved piece to obstruct the hair clasping space. Hence, the inner sides of the two clamping pieces and the curved piece will not be obstructed by the tail portion, thereby allowing for, as well as forming, a relatively large hair clasping space by means of the inner side of the curved piece and the inner sides of the two clamping pieces.

3. Since the curved piece spreads out relatively, the outer side

thereof can form a relatively large surface to permit attachment or designing of a decorative surface of a larger area so as to enhance the appearance in use.

5 In summary, the present invention has practical effects, and has not appeared in any printed publication or put to public use, thereby complying with the patentability requirements. An application therefor is therefore filed in accordance with the law.

10 However, what is described hereinabove is merely a preferred embodiment of the present invention in industry. Any equivalent modifications made within the claims of the present invention should be deemed to fall within the claims of the present invention.

[Brief Description of the Drawings]

Figure 1 is a plan assembled view of the prior art.

Figure 2 is a plan sectional view of the prior art in an extended state of use.

5 Figure 3 is a plan sectional view of the prior art in a folded state of use.

Figure 4 is an exploded perspective view of the preferred embodiment of the present invention.

10 Figure 5 is an assembled perspective view of the preferred embodiment of the present invention.

Figure 6 is a plan view of the preferred embodiment of the present invention in a folded state.

Figure 7 is a plan sectional view of the present invention in an extended state of use.

15 Figure 8 is a plan sectional view of the present invention in a folded state of use.

[List of reference numerals of main elements]

- (1) hairclip
- (11) curved piece
- 20 (111) pivotal connection portion
- (12) clamping piece
- (121) force application segment
- (122) tail portion
- (2) hairclip
- 25 (21) curved piece
- (22) clamping piece
- (221) force application segment
- (222) resilient element
- (223) shaft

CLAIMS:

1. An improved hairclip structure, comprising a curved piece and two corresponding clamping pieces, said clamping pieces respectively forming resilient pivotal connections with two lateral portions of said curved piece, characterized in that:

a point of resilient pivotal connection between each of said clamping pieces and said curved piece is disposed on a curved section of said curved piece such that, when each clamping piece is extended, each clamping piece and an inner side of said curved piece confine a relatively large confining hair clasping space.

2. The improved hairclip structure as claimed in Claim 1, wherein the pivotal connection of each clamping piece with said curved piece does not have a tail portion exposed therefrom to obstruct the hair clasping space.

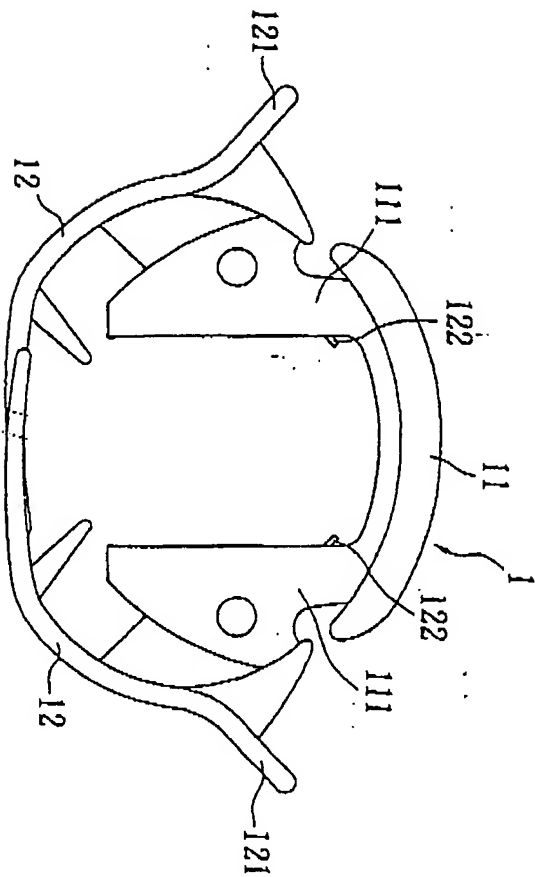


FIG. 1

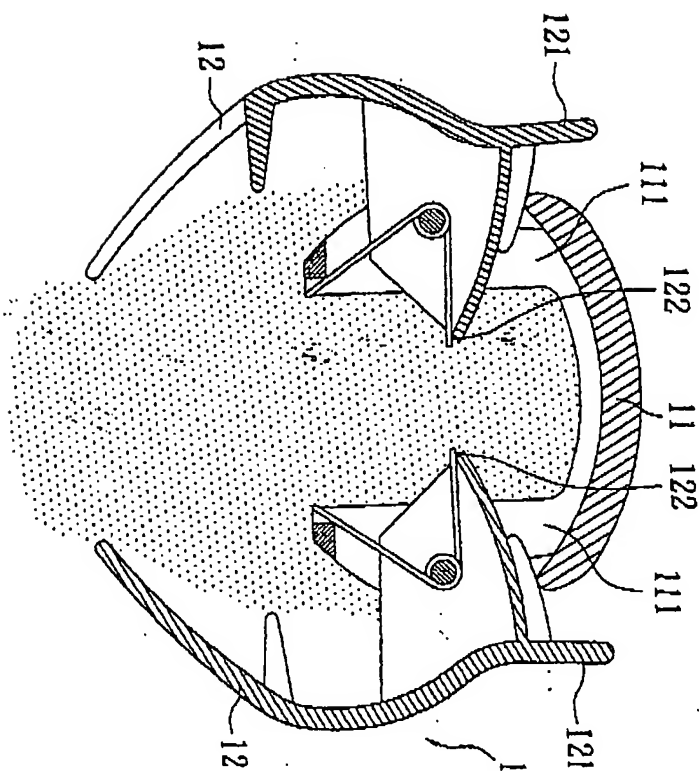


FIG. 2

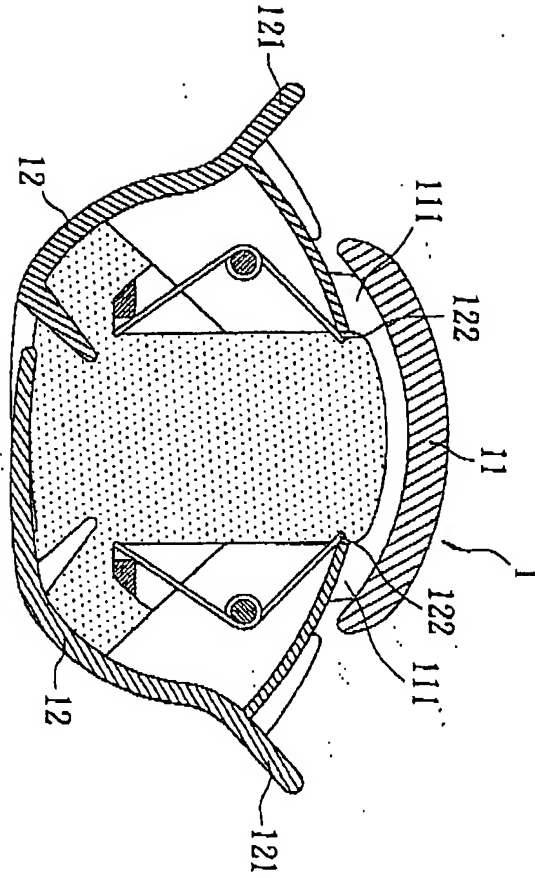


FIG3

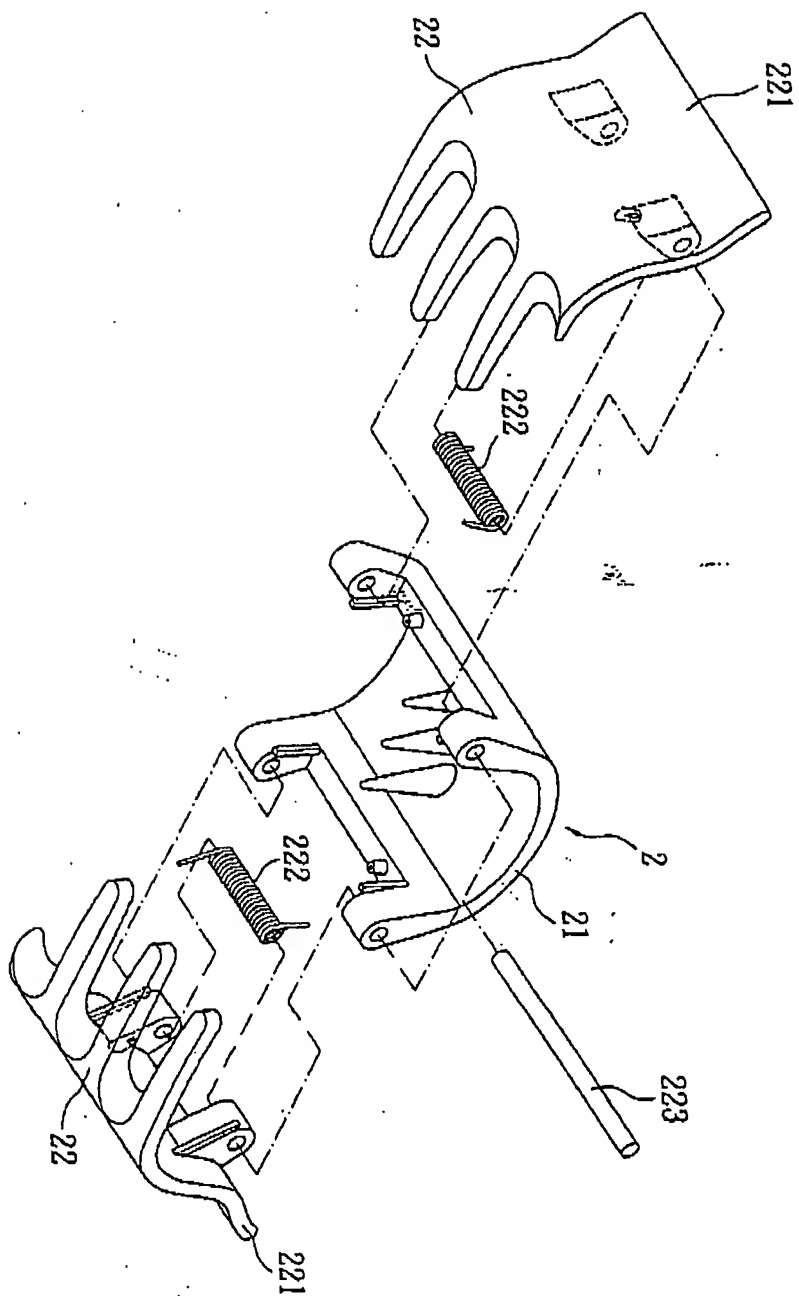


FIG. 4

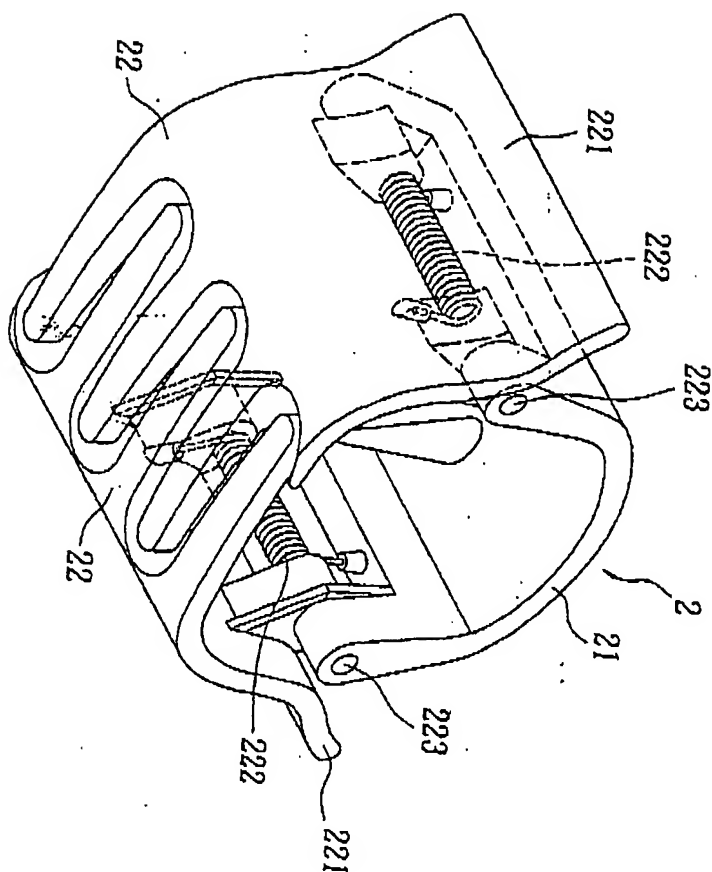


FIG5

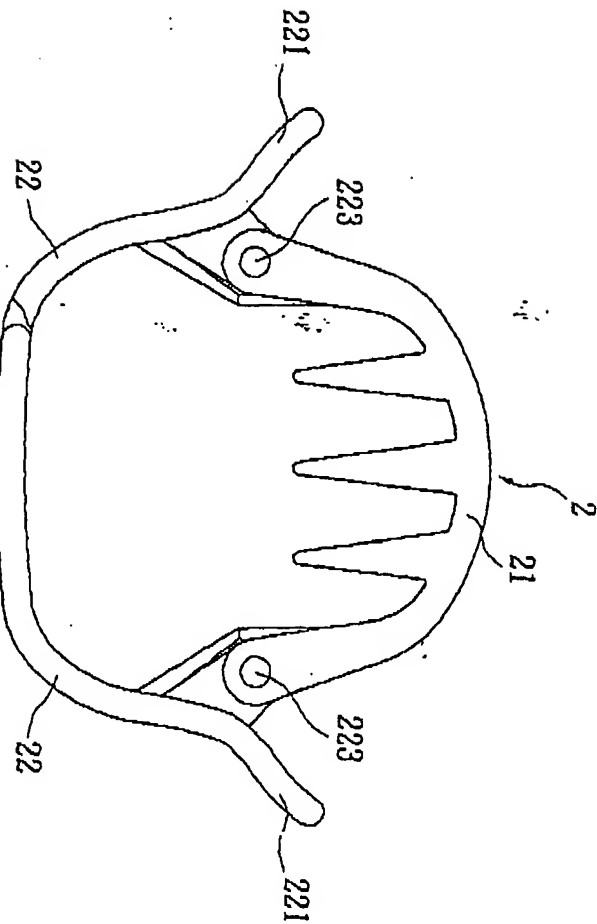


FIG. 6

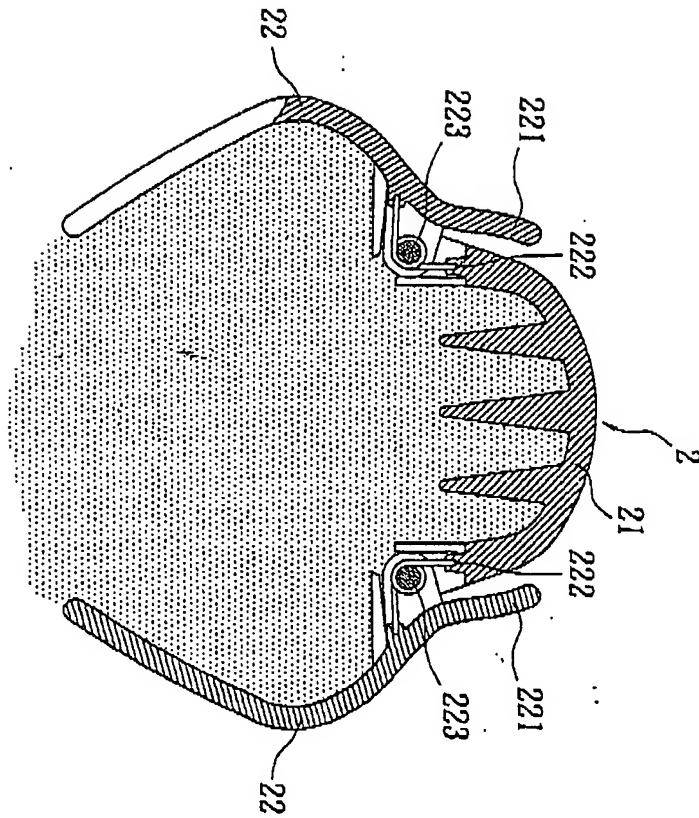


FIG 7

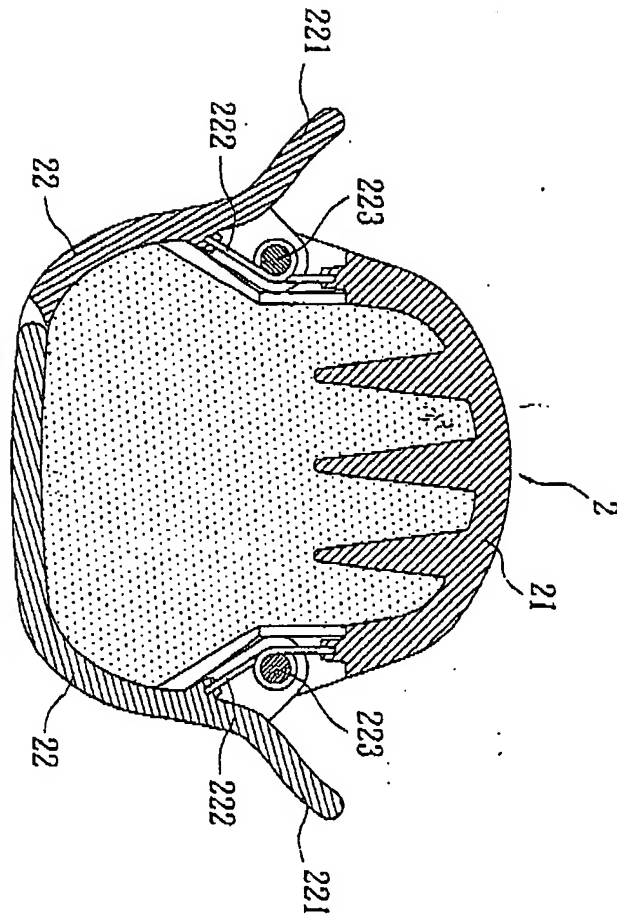


FIG8